FORM PT 1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

______several sheets if necessary)

ATTY. DOCKET NO. 30427USDIV2 APPLICATION NO. 10/648,984 APPLICANT Lebel et al. FILING DATE

FILING DATE Group Aug. 27, 2003 1649 **U.S. PATENT DOCUMENTS** EXAMINER CLASS SUBCLASS FILING DATE **DOCUMENT NUMBER** DATE NAME INITIAL AA 5,422,254 6/6/95 097 435 2/28/92 Londesborough et al. AB 5,792,921 8/11/98 Londesborough et al 800 205 8/15/95 AC AD AE AF AG AH ΑI AJ ΑK AL **FOREIGN PATENT DOCUMENTS**

| | | DOCUMENT NUMBER | DATE | OFFICE | CLASS | SUBCLASS | TRANSLATION YES NO | |
|-----|----|-----------------|----------|--------|-------|----------|-----------------------|--|
| fex | AM | WO 95/01446 | 1/12/95 | PCT | | | | |
| 7 (| AN | WO 96/00789 | 1/11/96 | PCT | | | | |
| Ant | AO | WO 97/42327 | 11/13/97 | PCT | | | | |
| | AP | | | | | | | |
| | AQ | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| | | (modaling Addies); rides bades, rides bages, closs |
|--------------------|----|--|
| ARK | AR | Blazquez, M. A. et al., "Isolation and molecular characterization of the Arabidopsis TPS1 gene, encoding trehalose-6-phosphate synthase," Plant Journal, 13(5): pp685-689 (1998) |
|) | AS | Goddijn, O. J. M. et al. "Inhibition of Trehalose Activity Enhances Trehalose Accumulation in Transgenic Plants," Plant Physiology, 113: pp181-190 (1997) |
| 1 | 1, | Holmstrom, K-O., "Drought tolerance in tobacco," Nature, 379: pp683-684 (1996) |
| 456 | AT | |
| EXAMIN | | Must bate considered 6/20/05 |
| *EXAMINE conforman | | Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in not considered. Include a copy of this form with the next communication to applicant. |

FORM PTQ-1449 (REV. 7-85)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 30427USDIV2 APPLICATION NO. 10/648,984 APPLICANT Lebel et al. FILING DATE Aug. 27, 2003

Group 1649

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent pages, Etc.)

| AZ V AAZ | Kaasen, I. et al., "Analysis of the otsBA operon for osmoregulatory trehalose synthesis in |
|----------|--|
| 1914 | Escherichia coli and homology of the OtsA and OtsB proteins to the yeast trehalose-6-phosphate synthase/phosphatase complex," Gene, 145: pp9-15 (1994) |
| AB2 | Kassen, I. et al., "Molecular Cloning and Physical Mapping of the otsBA Genes, Which Encode the Osmoregulatory Trehalose Pathway of Eschrichia coli: Evidence that Transcription Is Activated by KatF (AppR)," Journal of Bacteriology, 174(3): pp889-898 (1992) |
| AC2 | Lebel, E. et al., "Chemical Regulation of Transgene Expression in Plants," Abstract for Biochemical Society Symposium: Engineering Crops for Industrial Ends in Bristol, UK (1996) |
| AD2 | Muller, J. et al., "Pools of non-structural carbohydrates in soybean root nodules during water stress," Physiologia Plantarum, 98: pp723-730 (1996) |
| AE2 | Muller, J. et al., "Trehalose and trehalase in plants: recent developments," Plant Science, 112:pp1-(1995) |
| AF2 | Pilon-Smits, E. A. H. et al., "Trehalose-Producing Transgenic Tobacco Plants Show Improved Growth Performance Under Drought Stress," Journal of Plant Physology, 152: pp.525-532 (1998) |
| AG2 | Romero, C. et al., "Expression of yeast trehalose-6-phosphate synthase gene in transgenic tobaccomplants: pleiotropic phenotypes include drought tolerance," Planta, 201: pp293-297 (1997) |
| AH2 | Salminen, S. O. et al., "Enzymes of a,a-Trehalose Metabolism in Soybean Nodules," Plant Physiology, 81: pp538-541 |
| Al2 | Vogel, G. et al., "Trehalose-6-phosphate phosphatases from Arabidopsis thaliana: identification by functional complementation of the yeast tps2 mutant," Plant Journal, 13(5): pp673-683 (1998) |
| ADX AJ2 | Vuorio, O. E. et al., "Cloning of two related genes encoding the 56-kDa and 123-kDa subunits of trehalose synthase from the yeast Saccharomyces cerevisiae," Eur. Journal of Biochemistry, 216: 849-861 (1993) |
| AK2 | |
| AL2 | |
| AM2 | |
| AN2 | |
| EXAMINER | DATE CONSIDERED 1/20/85 |

*EXAMINER: Initial of reference considered, whether or not citation is in conformance with MPEP 609: Draw a line through citation if not in conformance and not considered. Include a copy of this form with the next communication to applicant.

FORM PTO-1449 (REV. 7-85) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

ATTY. DOCKET NO. 30427USDIV2 APPLICATION NO. 10/648,984 APPLICANT LEBEL ET AL. FILING DATE August 27, 2003

Group 1643

| · · · · · · · · · · · · · · · · · · · | | | U.S. | PATENT DOCUMENTS | | | | |
|---------------------------------------|-------|--|-----------------------------------|---|---------------|------------------|----------|----------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CIA | SS SUBCLA | SS F | UING DATE |
| | AA | | | | | | | |
| - | AB | | | | | | | |
| | AC | | | | | | | |
| | AD | | | | | | | |
| | AE | | | | | | | |
| i | AF | | | | | | | |
| | AG | | | | | | | |
| | АН | | | | | | | |
| | ΑI | | | | | | | |
| | AJ | | | | | | | |
| | AK | | | | | | | |
| | AL | | | | | | | |
| | | | FOREIC | ON PATENT DOCUMENTS | | | | |
| 1 | | DOCUMENT NUMBER | DATE | OFFICE | CLASS | SUBCLASS | TRAN | ISLATION NO |
| My | AM | 9317093 | 9/2/93 | wo | | | | |
| | AN | 9514098 | 5/26/95 | wo | | | | |
| | AO | 9524492 | 9/14/95 | wo | | | | |
| Arch | AP | 9803536 | 1/29/98 | WO | | | | |
| | AQ | | | | | | | |
| | | | | (Including Author, Title, Date, Pertin | ient pages, E | itc.) | | |
| ARO | AR. | Heifetz et al., Plant Pl | nysiology, 1 | 14(3):308 August 1997 | | | | |
| | AS | | | _ | | | | |
| | АТ | | 2 | ///// | | / / | | |
| EXAMIN | / | rue | lele | DATE CONSIDERED | 61 | 20/0 | 5 | |
| *EXAMINE conformant | R: 77 | Initial of reference sensider not considered. Include a cop | ed, whether or by of this form | not citation is in conformance with MP with the next communication to applica | EP 609: Pra | w a liné through | citation | if not in |